

TECHNICAL DATA SHEET

MULTI LITHIUM CONCRETE DENSIFIER

PAS-TDS-FLR-006

Description

MULTI LITHIUM CONCRETE DENSIFIER is an aqueous solution of lithium silicate. It combines with the free lime produced during hydration of the cement and forms hard insoluble crystals thus binding the particles together sealing the concrete surface and improving the impermeable and non-dusting properties. The seal acts as a curing compound over green concrete.

Typical Applications

For sealing over indoor and outdoor surfaces where water resistance, chemical resistance and UV stability is required. Suitable for sealing floors where stain and water resistance are required with a clear, high gloss.

Advantages

- Ease of application
- Excellent coverage
- Early hard set
- High chemical resistance
- Easy to clean
- High stain resistance
- Moisture tolerant
- Single pack application

Typical Properties

Colour	Clear
Density	1.05 g/ml
Trafficable	6 hours
Overcoat Time	2 hours
Coverage	10-15 m ² per litre
Loss of Water	10.5 g/100cm ³
Saturation Point	Surface remains wet for 5 minutes
Shelf Life	Keep in closed container
Traffic	4 hours
Cleaning	Water

Watch Points

- Apply in well ventilated areas.
- Do not expose the coated surface to moisture for 4 hours after application
- Ensure rollers are dry before use
- Clean spills or splatters or pooling as soon as noticeable while the product is still liquid.
- Dilute with water if required on first coat.



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Directions for Use

Surface Preparation:

Surfaces to be clean, sound and free of deleterious substances. Remove all laitance, oil, grease, paints, mould oil or curing compound from surfaces using wire brush, bush hammer, scabblor or other plant as appropriate. Previously coated surfaces will need to be stripped to expose concrete. Dense, sealed surfaces will need to be grinded open to create a mechanical profile and absorption. Surfaces should be dry.

Priming:

No priming is required.

Application:

Spray evenly onto surfaces to be treated until surfaces remain wet for at least 5 minutes. This is the saturation point of the substrate. Roll out with a dry mohair roller to spread evenly, being careful to pick up roller lines and ends where these build up and allow to settle. Avoid rolling or spreading once drying starts. Pick up any splashes or pooling before it reacts with the concrete. Allow 1-2 hours between coats. Two coats are recommended for optimum sealing and protection if surfaces are very porous. Allow 4 hours without exposure to surface moisture to prevent discolouration then open to traffic. Remove any powder formation using a scrubbing machine or stiff bristle brush / broom. Use an abrasive diamond grinder with progressively finer grinds to polish.

Equipment Care

All tools should be cleaned with water immediately after use. If delayed, equipment will need mechanical action to clean or be discarded.

Packing

Supplied in 200LT drums

Quality Assurance

Pasiffire SD Projects (Pty) Ltd production and testing programs comply with all local and international testing standards.

REVISION: 3.1